Amendments to the Claims:

1-6. (Cancelled)

7. (Currently Amended) An arrangement for coupling at least one beam of optical tweezers for trapping particles and/or a treatment beam into a microscope beam path in a laser scanning microscope, comprising:

means for changing a position of the beam focus of the optical tweezers and/or of the treatment beam in a freely adjustable manner;

wherein movable optics, which is separate from a microscope objective, are provided for changing the position of the beam focus of the optical tweezers ~~and~~ and/or of the treatment beam and for in-coupling a scanning laser beam from the laser scanning microscope;

wherein the change is controllable and causes a movement of the optical tweezers and/or of the treatment beam in the direction opposite to the movement of the microscope objective;

the means for changing operable to control a displacement of the movable optics by previously stored or calculated values depending on the focal position.

8. (Cancelled)

9. (Previously Presented) The arrangement according to claim 7, wherein a beam outlet and/or illumination optics of the optical tweezers and of the treatment beam are/is displaceable in the direction of the optical axis.

10 - 11. (Cancelled)

12. (Previously Presented) The arrangement according to claim 7, wherein there is provided a plurality of optical tweezers and/or treatment beams which are adjustable individually and/or jointly with respect to their focal position.

13. (Previously Presented) The arrangement of claim 7 wherein at least one electromechanical variable optical element performs a z-direction compensation of a displacement of an object plane so that an object being observed is fixed in position.

14. (Currently Amended) A laser scanning microscope and laser tweezer combination comprising:

a laser scanning module with a pinhole optics and a detector;

at least one laser tweezer module;

a microscope objective operable to move in a z-direction relative to a specimen and positioned to receive light from the laser scanning module;

tweezer optics, different from the microscope objective, for performing z-direction compensation ~~a z-direction displaceable objective for performing z-direction compensation and for focusing laser beams from the laser scanning module~~ and for focusing the laser tweezer beams from the laser tweezer module;

a position control device that controls movement of the tweezer optics in an optical axis in the direction opposite to the movement of the microscope objective so as to perform the z-direction compensation according to previously stored values such that parts of the specimen are fixed regardless of the movement of the microscope objective in the z-direction ~~wherein a change of the beam focus position of the optical tweezers or of the treatment beam is controllable and causes a movement of the optical tweezers or of the treatment beam in the direction opposite to the movement of the microscope objective~~.